

IPCC Author Survey on Priority Variables

To Modeling Groups and Other Concerned Parties:

We hope that your CMIP6 activities are proceeding satisfactorily. The WIP and the CMIP Panel wish to publicize the list of variables that the IPCC Working Group 1 Authors have identified as being of highest priority for IPCC-AR6 in a survey concluded in March 2019. The list also specifies experiments and time periods of interest for the variables, and the chapters with which they are associated. We thank Jasmin John, NOAA/GFDL for her role in collecting this information.

While CMIP6 is nominally independent of IPCC, the WIP and the CMIP Panel concluded during the recent WGCM-22 meeting in Barcelona, 29 March 2019, that this list of variables may aid the groups publishing and distributing data in assigning priority. Modeling groups may wish to use this list in prioritizing and accelerating their internal scientific quality control for these variables. Publication teams may wish to use this list to ensure these variables appear as quickly as possible on their ESGF data node. The CMIP6 Data Node Operations Team (CDNOT), ESGF, and others may use this list as guidance in deciding which variables to replicate and make as widely available as possible.

We also draw your attention to the [IPCC Calendar](#). In particular the 3rd Lead Author meeting IPCC-LAM3 in Toulouse, France, 26-30 August 2019.

The science of CMIP6 will continue independently of IPCC, and for this the community can continue to use the experiment tiers and variable priorities already assigned by the CMIP Panel and MIP Chairs in the CMIP6 Data Request.

Links:

- [IPCC AR6 WG1 Priority Variables V1.0 22 April 2019](#) Google Sheets
- [IPCC AR6 WG1 Priority Variables V1.0 22 April 2019](#) on WIP site as spreadsheet

Sincerely,

V. Balaji, Veronika Eyring, Karl Taylor
(on behalf of WIP and CMIP Panel)